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- 1. A method for determining computer hardware requirements for a database management system server comprising the steps of:
- obtaining at least one user defined workload requirement;
- calculating the database management system server hardware requirements as
 a function of said user defined workload requirement; and
- displaying said database management system requirements.
 - 2. A method according to claim 1, wherein said user defined workload requirement includes a plurality of inputs from a user including a server type, a maximum desired processor utilization, and a transactions per second requirement.

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- 3. A method according to claim 1, wherein said outputs include a number of processors requirement, a memory size requirement, and a mass storage requirement.
- 4. A method according to claim 1, wherein said outputs further comprise properties including an effective CPU utilization.
- 1 5. A method according to claim 1, wherein said outputs further comprise properties including a number of users supported.
- 6. A method according to claim 1, wherein said outputs further comprise properties including an effective CPU utilization and a number of users supported.

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1	7. A computerized method for determining computer hardware
2	requirements for a database management system server as recited in claim 7, wherein
3	said inputs include a baseline system transactions per second and said properties
4	nclude a calculated transactions per second value, and a ratio of said calculated
5	ransactions per second to said baseline transactions per second, wherein said
6	calculating step calculates values for said calculated transactions per second and said
7	ransactions per second ratio.

- A method for determining computer hardware requirements for a database 8. management system server using a user-defined workload, the method comprising the 2 steps of:
- obtaining at least one input from a user; 4
- obtaining from said user a plurality of transactions, wherein each of said 5 transactions have a transaction workload contribution and an expected execution rate 6 per second; 7
- calculating a total workload as a function of said transactions, transaction 8 workload contribution and transaction execution rate; and 9 display said total workload to said human user. 10
- A method according to claim 8, wherein said inputs include a server 1 9. 2 type.
- A method according to claim 8, wherein said inputs include a 10. 1 maximum desired processor utilization. 2

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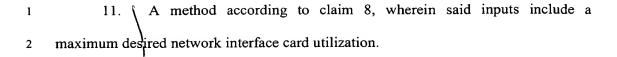
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- 1 12. A method according to claim 8, wherein said inputs include a server 2 type, a LAN speed, a maximum desired processor utilization, a maximum desired 3 network interface dard utilization.
- 1 13. A method according to claim 12, wherein each of said transactions 2 include at least one SQL statement wherein each of said transaction workloads are 3 calculated by calculating a workload contribution of each of said SQL statements and 4 wherein a percent contribution of total workload is specified,
- 1 14. A method according to claim 13, wherein said SQL statements include 2 insert, delete, update, and select SQL statement types.

15. A method according to claim 14, wherein

said insert SQL types have parameters including a number of identical insert statements, and wherein said insert statement SQL workload contribution is a function of said statement parameters,

said delete SQL types have parameters including a number identical delete statements, and wherein said delete statement SQL workload contribution is a function of said statement parameters,

said update SQL types have parameters including a number of records to be operated on by said update statement, and wherein said update statement SQL workload contribution is a function of said statement parameters, and

said select SQL types have parameters including selectivity criteria, and
wherein said select statement SQL workload contribution is a function of said
statement parameters.